CompSci 94 Camera Controls September 12, 2024



Prof. Susan Rodger

CompSci 94 Fall 2024

Review – Parameters/Arguments Write the **tortoise kick** procedure

- It has three parameters
 - **itemKicked** of type **Prop** the item to kick
 - direction of type moveDirection the direction for the itemKicked object to move
 - howFar of type DecimalNumber the distance for the item kicked to move



Announcements

- Assignment 2 due on Tuesday, Sept 17
 - Storyboard
 - Alice program
 - Make a Video talk about code, run
- How to Submit Assignment 2
 - Storyboard, Alice program, video \rightarrow Canvas
 - URL for Video \rightarrow Reflect form
- Coming– procedures for classes of objects, and properties.
- QZ06 due Tuesday by 10:05am

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Review

Defining instruction, using parameters

• Defining the instruction



• Using the parameters in the kick code

(itemKicked move [direction], abowFar , duration add detail

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Review Defining instruction, using parameters

• Defining the instruction



Review Defining instruction, Calling instruction

• Defining the instruction



• Calling the instruction **in myFirstMethod** pass arguments to parameters

(this.tortoise)	kick	itemKicked: (this.skull , direction: FORWARD , howFar: 5.0	
(this.tortoise)	kick	itemKicked: (this.bowlingPin), direction: [RIGHT], howFar: [10.0]	

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Review Defining instruction, Calling instruction

• Defining the instruction



Review

Defining instruction, Calling instruction

• Defining the instruction

declare procedure kick with parameters: (Prop.) (itemKicked , (MoveDirection)) (itemKicked , (MoveDirection))

• Calling the instruction **in myFirstMethod**, pass arguments to parameters

10000	(this.tortoise)	kick	itemKicked: (this.skull		direction: FORWARE	*.	howFar: 25.0
	(this.tortoise)	kick	itemKicked: (this.bowl	ngl	Pin , direction: RIGH	ŋ.	, howFar: 210.0

Call second time with different arguments!

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Q1. Camera Views

- How do you line up the animals in the front in a line?
- How do I make sure the animal behind the ogre is directly behind it?



Use 2D sideview for both

- Line up animals
- Move marchHare close to Ogre







Q2. Setup Scene

Q

• What other views can you use beside Starting Camera View?

Q2. Setup Scene

- What other views can you use beside Starting Camera View?
 - -2D TOP view
 - -2D SIDE view
 - 2D FRONT View
 - Layout Scene View



Q3. Camera Markers

• How does one create a camera marker?

• How does one use a Camera Marker during animation?

• How does one create a camera marker?

- Move camera to location.

- Click on add camera marker in scene setup

Q3. Camera Markers

- Give camera marker a name.
- How does one use a Camera Marker during animation?
 - Use camera with **moveAndOrientTo** instruction to change a scene.

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Q4. More on Camera markers

- When do you add Camera markers?
- What do these buttons mean?



Q4. More on Camera markers

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- When do you add Camera markers?
 LAST, after the objects are placed
- What do these buttons mean?
 A) Move camera to Camera marker
 C) Select camera marker
 C) Select camera marker
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Q5. Setting up a CameraMarker

• How to setup camera marker for side view? - (give all the steps you would do)





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Q5. Setting up a CameraMarker

- How to setup camera marker for side view?
 - Using one-shots, have camera **move to** hare.
 - Then camera orientToUpright
 - Camera move up 1.0
 - Camera move right 6.0
 - Camera turn left 0.25
 - Use purple arrows to adjust view.





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Class Today

- Continue writing procedures with parameters
- Moving between camera views



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